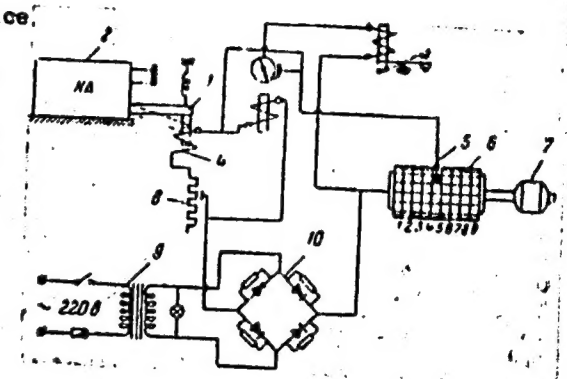
17 - weighted blocks; 18 - balancing weights; 19 - electroheater; 20 - thermo-insulating layer; 21 - ventilator; 22 - viewing window; 23 - spring-type collar with transmissions; (1) thermocouples; (2) feeding block; (3) movie camera "Kiyev 16S-2); (4) time relay; (5) collector drum; (6) motor; starting up the collector drum; (7) reductor; (8) potentiometer; (9) instruments of the thermocouple, correspondingly $T\Pi_1$ and $T\Pi_2$ (TP).

Figure 2: Electrical circuit of the device for recording the relative elongation.
1 - clamp of the movie camera; 2 - movie camera; 3 - stand; 4 - electromagnet; 5 - sliding contact; 6 - collector drum; 7 - motor; 8 - rheostat; 9 - transformer; 10 - redtifier.



Card 4/4

ACCESSION NR: AP4045429 S/0190/64/006/009/1629/1636

AUTHOR: Zuyev, Yu. S., Bartenev, G.M., Kirshenshteyn, N.I.

TITLE: Longevity and strength of rubberlike polymers

SOURCE: Vy*sokomolekulyarny*ye soyedineniya, v. 6, no. 9, 1964, 1629-1636

TOPIC TAGS: radiation vulcanization, polymer longevity, polymer strength, filler, synthetic rubber, vulcanized rubber, nitrile rubber, polymer structure

ABSTRACT: An investigation of the longevity and strength of unfilled radiation vulcanizates from nitrile rubbers (SKN-18, 26, 40) (equilibrium modulus = 3, 7, 12 and 24 kg/sq. cm) and filled vulcanizates from SKT and SKF rubber showed that under the influence of a constant stress, the relation $\tau = f(\sigma)$ can be expressed by the formula $\tau = B\sigma^{-n}$ (1). In many cases, however, in the same experimental range of longevity within the limits of variation, the relation $\tau = Ae^{-\gamma\sigma}$ (2) is valid; thus, a vulcanizate of SKN-26 filled with carbon black complies with relation (2). The $\log\tau$-$\log\sigma$ curves are usually parallel at high temperatures (100-150C). On decreasing the temperature to 40C, the 25° angle of inclination of the curves decreases. The apparent activation energy of destruction at high temperatures is independent of the stress, and for radiation vulcanizates, the order of

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ACCESSION NR: AP4045429

magnitude of the activation energy corresponds to the energy of intermolecular interaction of the segments of flow. In the presence of relatively weak crosslinks, they participate to a considerable extent in the rupturing process and the activation energy increases. Over the temperature range 25-40C, the apparent activation energy increases with increasing stress. The latter can be explained by the fact that with increasing stress, either the destruction of the supermolecular structure increases, or the contribution of the ruptured chemical bonds increases. With increasing temperature, for many vulcanizates such as SKN-40, SKN-26 and SKN-18, an inversion of longevity and strength is observed. This is probably due to the fact that at increased temperatures, the strength properties are determined by the imperfection of the molecules, which is greater for SKN-40 then fora SKN-18, while at normal temperatures, the negative influence of the imperfection of the molecules is overlapped by the positive effect of the intermolecular interaction and the supermolecular structures. On increasing the density of the three-dimensional network, the longevity (as well as the strength) varies according to a curve with a maximum. The location of this maximum does not change with increasing temperature. An increase in temperature

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ACCESSION NR: AP4045429

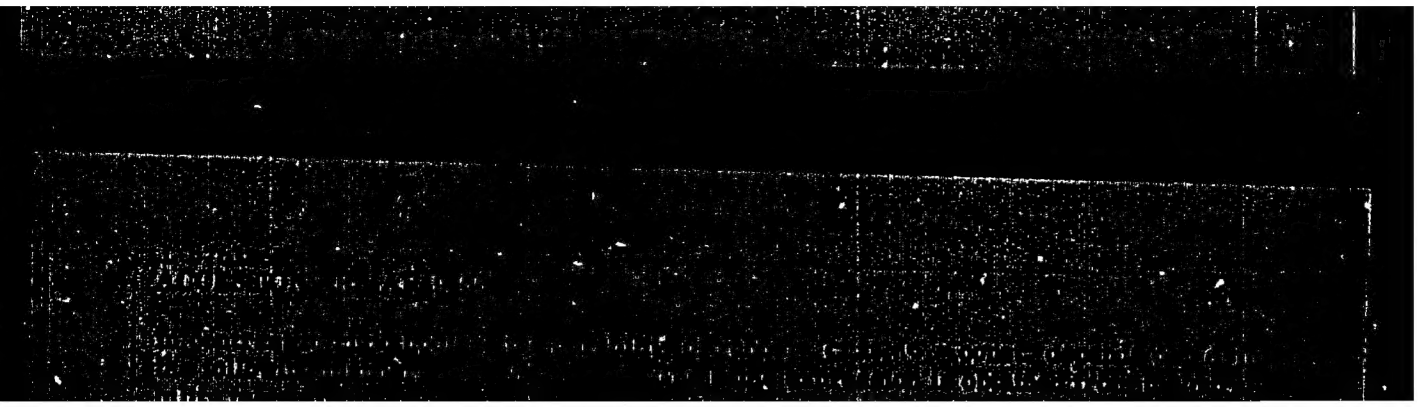
diminishes the effect of the density of the network and the effect of the amount of intermolecular interaction on the longevity. Finally, the longevity of vulcanizates characterized by the nature of the crosslinks is much greater when the crosslinks have a greater mobility. Orig. art. has: 7 figures, 2 tables and 3 formulas.

ASSOCIATION: Nauchno-issledovatel'skiy institut rezinovoy promy*shlennos.: (Scientific Research Institute of the Rubber Industry)

SUBMITTED: 26Oct63 ENCL: 00 SUB CODE: OC, MT

NO REF SOV: 016 OTHER: 001

Card 3/3



APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000722720012-8"

ZUYEV, Yu.S.; BARTENEV, G.M.; KIRSHENSHTEYN, N.I.

Analyzing the lasting quality of rubber under various methods of testing. Kauch. i rez. 23 no 9:14-16 S '64.

(MIRA 17:11)

1. Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti.

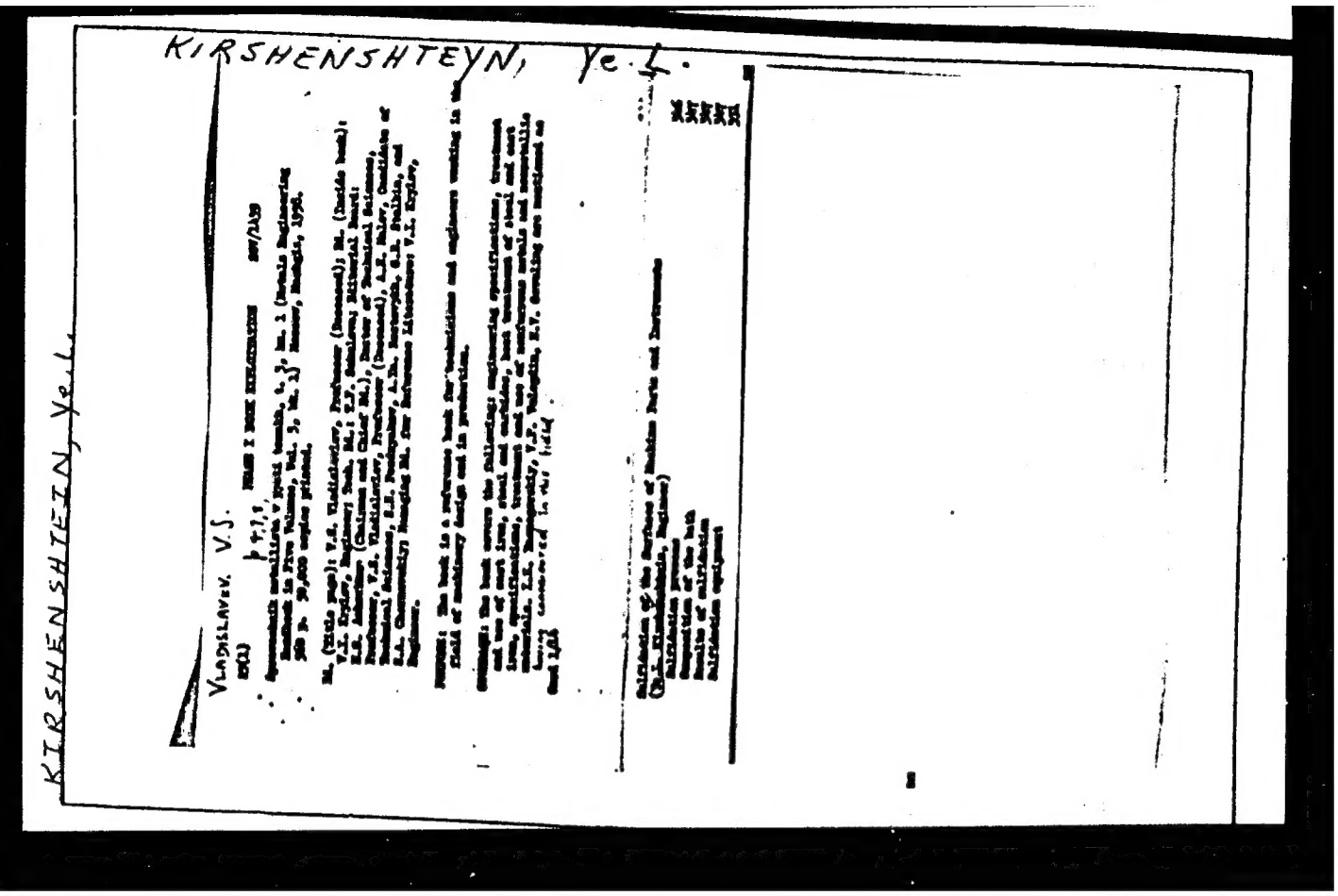
ARISTOV, N.P.,kand. tekhn. nauk,; BLAGOSKLONSKIY, T.I.,kand. khim. nauk,; VESELOVSKIY, V.S., prof., doktor tekhn.nauk,; VLADISLAVLEV, V.S., prof.,[deceased]; GOSTENINA, V.M., inzh.; GRINBERG, B.G., kand. tekhn. nauk,; KATTS,N.V., kand. tekhn. nauk,; KESTNER,O.Ye., kand. tekhn. nauk,; KIDIN, I.N., prof., doktor tekhn. nauk,; KIRSHENSHTEYN, Ye.L., inzh.; KITAYGORODSKIY, I.I., prof., doktor tekhn. nauk,; KOLOBNEV, I.F., kand. tekhn. nauk,; KRYLOV, V.V.,kand. tekhn.nauk,; LAKHTIN, Yu.M., prof., doktor tekhn. nauk,; LEVI, L.I., kand. tekhn. nauk,; LEPETOV, V.A., kand. tekhn. nauk,; LUNEV, A.A., kand.tekhn. nauk,; LUNEV, F.A.,kand. tekhn. nauk,[deceased]; LOTSMANOV, S.N., kand. tekhn. nauk,; MAURAKH, M.A.,kand. tekhn. nauk,; MINKEVICH, A.N., kand. tekhn. nauk,; OCHKIN, A.V., inzh.; POPOV, V.A.,kand. tekhn. nauk,; RAKOVSKIY, V.S., kand. tekhn. nauk,; SHESTOPAL, V.M., kand. tekhn. nauk,; ACHERKAN, N.Ş., prof., doktor tekhn. nauk, glavnyy red.; MALOV, A.N., red.; POZDNYAKOV, S.N., red.; ROSTOVYKH, A.Ya., red.; STOLBIN, G.B., red.; CHERNAVSKIY, S.A., red.; KRYLOV, V.I., inzh., red.; KARGANOV, V.G., inzh., red. graficheskikh rabot,; SOKOLOVA, T.F., tekhn. red.

[Metal worker's handbook in five volumes] Spravochnik metallista v piati tomakh. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry. Vol. 3. Book 1. 1958. 560 p. (MIRA 11:11)
(Metals--Handbooks, manuals, etc.)

KIRSHENSHTEYN, M.I.

KIRNOSOV, Vladimir Ivanovich; YANOVSKIY, Il'ya Iosifovich; KIRSHENSHTEYN, Ye.L., inzhener, retsenzent; GLUSHKOV, G.S., professor, doktor tekhnicheskikh nauk, redaktor; VOLODIN, V.L., redaktor izdatel'stva; EL'KIND, V.D., tekhnicheskiy redaktor

[Machines and instruments for testing materials] Mashiny i pribory dlia ispytaniia materialov. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1957. 300 p. (MLRA 10:10)
(Testing machines)



NATAN, Zhak, prof.; GOSIN, I.Ya.[translator]; PAVPEROV, V.P. [translator]; KIRSHEVSKAYA, A.N., red.; LEVINA, Ye., red.; RYBKINA, V., tekhn. red.

[History of economic development in Bulgaria] Istoriia ekonomicheskogo razvitiia Bolgarii. Predisl. i red. A.N.Kirshevskoi. Translated from the Bulgarian. Moskva, Izd-vo inostr. lit-ry, 1961. 498 p. (MIRA 15:3)

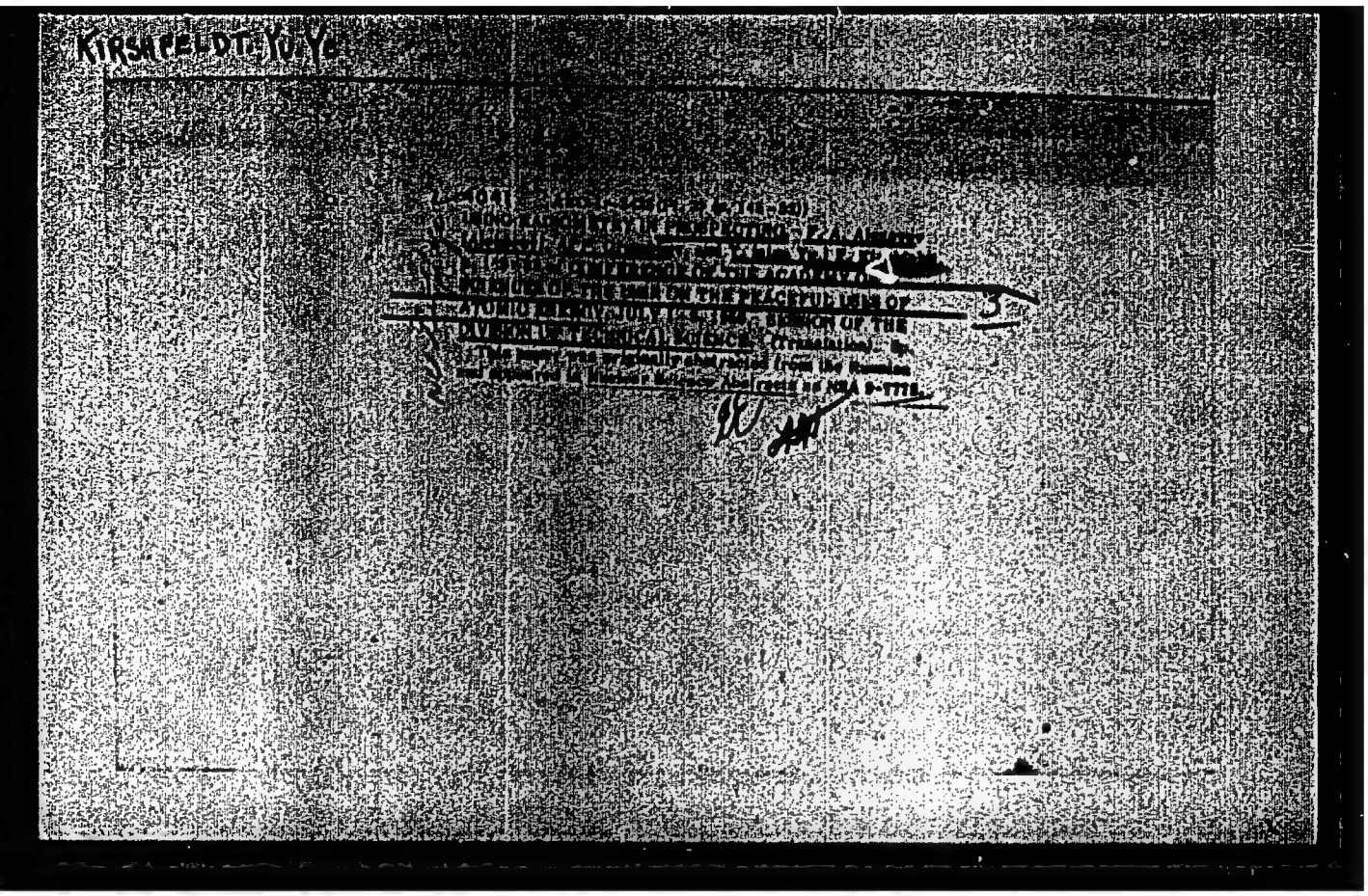
1. Deystvitel'nyy chlen Bolgarskoy Akademii nauk (for Natan).
(Bulgaria—Economic conditions)

KIRSHFEL'D, I.P.

FILATOV, V.P.; KIRSHFEL'D, I.P.; SKORODINS'KA, V.V., starshiy naukoviy spivrobitnik; SHEVAL'OV, V.Ye., starshiy naukoviy spivrobitnik

Tissue therapy for leprosy. Medych.zhur. 16:371-389 '47. (MIRA 10:12)

1. Z Ukrains'kogo naukovo-doslidnogo eksperimental'nogo institutu ochnikh khvorob im. V.P.Filatova (direkotr - laureat Stalins'koi premii diysniy chlen AN URSR V.P.Filatov). 2. Direktor Ukrains'kogo leprozoriyu (for Kirshfel'd)
(TISSUE EXTRACTS) (LEPROSY)



KIRSHFEL'DT, Yu.E.

Mass-spectrometric analysis and its use in petroleum geology.
Trudy MINKHiGP no.50:224-231 '64 (MIRA 18:2)

KIRSHIN, G. F.

120-6-16/36

AUTHORS: Bochagov, B.A., Kocharov, G.Ye., and Kirshin, G.F.

TITLE: An Improvement in the Energy Resolution of the Ionisation Chamber with a Grid (Uluchsheniye razreshayushchey sposobnosti po energii impul'snoy ionizatsionnoy kamery s setkoy)

PERIODICAL: Pribory i Tekhnika Eksperimenta, 1957, No.6, pp. 72 - 74 (USSR)

ABSTRACT: The main factors are considered which have an effect on the energy resolution of an ionisation chamber containing a grid. As is known, the presence of even a small impurity of gases such as oxygen, water vapour, etc. considerably worsen the energy resolution. To clean up the gas a sodium "filter" was used. The clean-up took about 2 to 3 hours. By a suitable choice of the first valve of the amplifier, and by suitable matching, the RMS value of the noise was reduced to 6.8 keV, which is less by 3.2 keV than that quoted in Ref.4. It is shown that the Soviet valve 6Ж1П has better noise properties than the American valve 6AK5. The signal-to-noise ratio depends on the pass band of the amplifier as well as the characteristics of the first valve. To obtain a maximum signal-to-noise ratio, it is necessary to use valves having a small grid current as well as very curved characteristics. The energy spectrum of

Card 1/2

An Improvement in the Energy Resolution of the Ionisation Chamber with a Grid.

α-particles from U^{234} and U^{238} (Ref.6) was measured using the above improved circuitry. The half width of the α-lines was found to be about 30 keV. The following persons collaborated: A.P. Komar, A.A. Vorob'yev and S.N. Nikolayev.
There are 5 diagrams and 6 references, 3 of which are Slavic.

ASSOCIATION: Physico-Technical Institute Ac.Sc. USSR.
(Fiziko-tekhnicheskiy Institut AN SSSR)

SUBMITTED: January 17, 1957.

AVAILABLE: Library of Congress.

KIRSHIN, I.K., Cand Bio Sci -- (diss) "Cycle of seasonal development of perennial grasses in the [redacted] Urals." Sverdlovsk 1958, 23 pp. (Min of Higher Education USSR. Ural [redacted] State Univ im A.M. Gor'kiy) 150 copies (KL, 39-58, 108)

[illegible], [illegible].K.

[illegible] of timothy grass. [illegible] Sverd. otd. VBO no.3:6[illegible]-35 '64 ([illegible] 18:2)

KIRSHIN, I.K.; DEYNEGA, L.V.

Changes in the leaf growth of grasses under the effect of gibberellin during short and long days. Bot.zhur. 49 no.10:1501-1506 O '64. (MIRA 18:1)

1. Ural'skiy gosudarstvennyy universitet imeni A.M.Gor'kogo, g. Sverdlovsk.

KIRSHIN, I.K.

Interrelations among individual species in leguminous and and gramineous grass mixtures under conditions of prolonged use. Zap. Sverd. otd. VBO no.2:41-50 '62. (MIRA 16:8)

KIRSHIN, I.K.

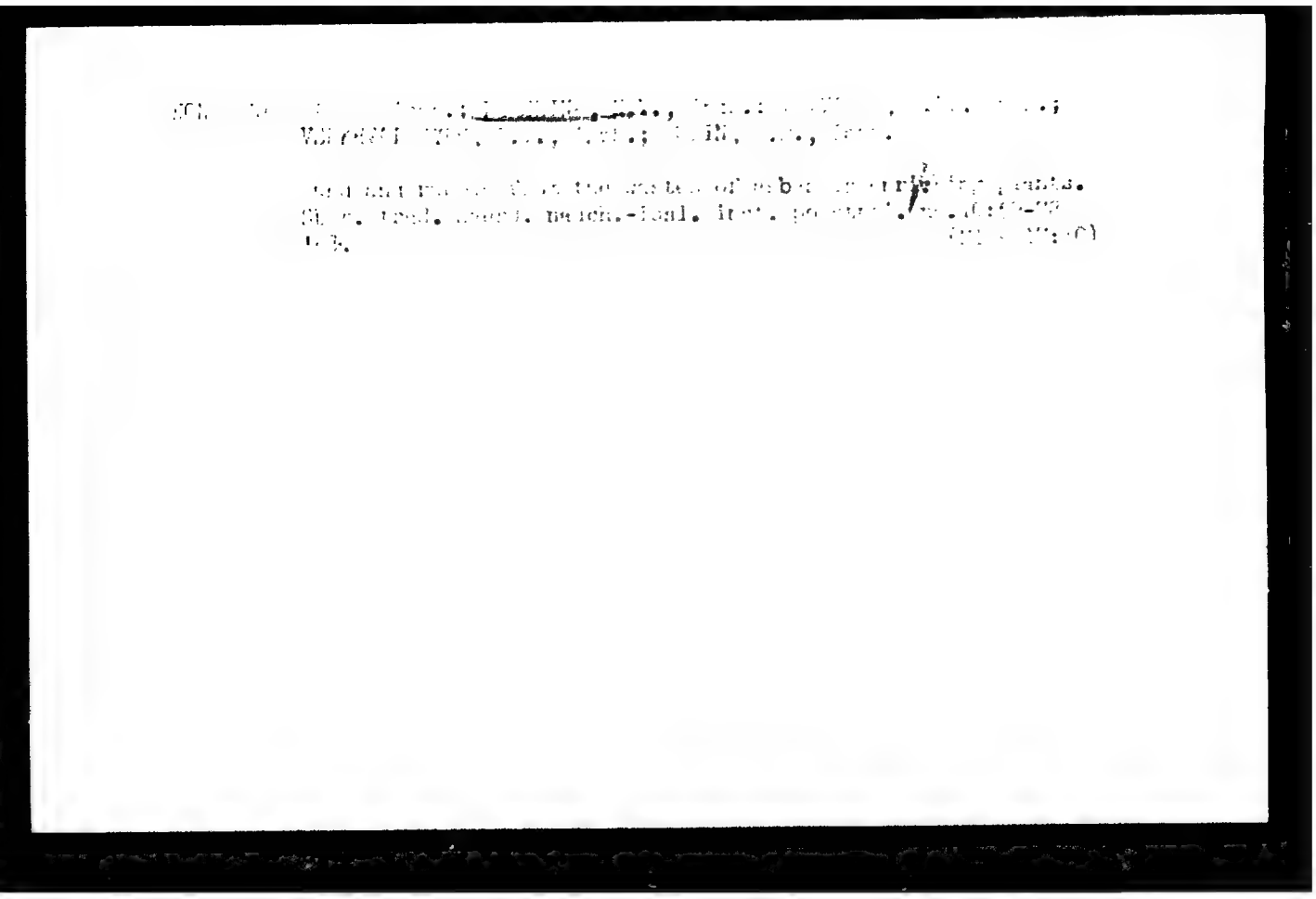
Growth responses of meadow grasses to the photoperiod. Fiziol. rast. 10 no.6:682-691 N-D '63. (MIRA 17:1)

1. A.M. Gorky Ural State University, Sverdlovsk.

KIRSHIN, I.K.

Intercalary growth of grass leaves. Dokl. AN SSSR 142 no.2:474-477 Ja '62. (MIRA 15:2)

1. Ural'skiy gosudarstvennyy universitet im. A.M.Gor'kogo. Predstavleno akademikom A.L.Kursanovym.
(Grasses)
(Growth(Plants))



KIRSHIN, V.

Running over waves. Znan.-sila 37 no.11:48 N '62. (MIRA 16:1)
(Hydroplane boats)

KIRSHIN, V. A., Cand of VetKSci -- (diss) "Reaction of an organism in the use ofthe new surgical suturing material-- anide-silk No 34 during experimental research on animals." Kazan', 1957, 17 pp (Kazan' State Veterinary Institute im N. E. Bauman), 100 copies (KL, 32-57, 95)

KONONENKO, A.S., inzh.; KIRSHINA, K.V., inzh.

Aggregates for ordinary concrete made from wastes in the concentration of asbestos. Stroi.mat. 8 no.1:17-20 Ja '62. (MIRA 15:5)

(Aggregates (Building materials))

ACC NR: AP7007678 SOURCE CODE: UR/0386/66/003/002/0064/0069

AUTHOR: Kormer, S. B.; Yushko, K. B.; Kirshkevich, G. V.

ORG: none

TITLE: Dependence of the refractive index on the density of the solid and liquid phases of shock-compressed ionic crystals. Relaxation time of phase transformation under shock compression

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu, v. 3, no. 2, 1966, 64-69

TOPIC TAGS: ionic crystal, refractive index, alkali halide, compression shock wave, shock wave front

ABSTRACT: The refractive indices of shock-compressed alkali-halide compounds were investigated. For LiF, which remains transparent in the investigated range of pressures up to $P \approx 700$ kbar, the refractive index was determined directly from the paths of the rays in the compressed matter. For NaCl, CsBr, KCl, and KBr crystals, which become opaque behind the shock-wave front, the refractive indices were determined by Fresnel's formulas from the experimentally-measured coefficients of reflection of natural light incident on the front of the shock wave. The dependence of the refractive index on the degree of compression σ (where $\sigma = \rho/\rho_0$ is the running density and ρ_0 the density at $T = 300°K$ and $P \approx 0$) for the crystals LiF, NaCl, and

 UDC: none

CsBr, which do not experience polymorphic transformations in the investigated range of pressures, is represented in Fig. 1 for the region $\sigma > 1$. So long as the shock compressed crystal remains in the solid phase, the refractive index changes relatively little with the density. The refractive index increases appreciably

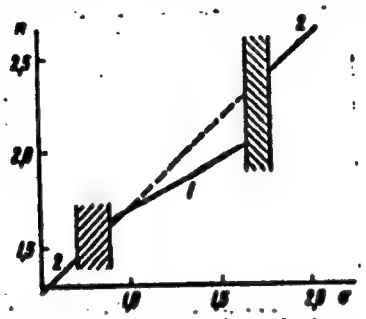


Fig. 1. Refractive index of ionic crystals vs. density in the solid and liquid phases

when the melting is in a compressed state (see Fig. 1). The experimental points obtained for the liquid phase of the crystals CsBr, KCl, and KBr fit the relation (1) quite well, but only if $dn/d\sigma$ is approximately 15 - 17 times larger than in the solid phase. At normal pressure the change in density of the alkali halides in the liquid

state changes the refractive index by about 1.5 times more than in the solid state. In investigating the reflectivity of the shock-wave front in the solid phase of KCl and KBr it was noted that at $P \approx 140$ kbar the reflection coefficient is 2 - 3 times smaller than that corresponding to a relation of the type (1) for $n(\sigma)$, with values of $dn/d\sigma$ that follow from whereas at $P \approx 200$ kbar for KCl and 260 kbar for KBr the obtained results are close to those expected. We recall (see Sec. 1 and the table) that for other crystals the results of the measurements were in satisfactory agreement with earlier data. It is natural to relate the indicated difference with the polymorphic transformation of KCl and KBr into the CsCl structure, which occurs at $P \approx 20$ kbar assuming that up to $P \leq 140$ kbar the phase transformation of KCl and KBr occurs after a time $\tau > 10^{-11}$ sec, the light will be reflected from a layer of matter situated on the front of the shock wave in a metastable state (point 1, Fig. 2), corresponding to the dynamic adiabat of the first phase 6). Since the latter is steeper than the adiabat of the second phase, a smaller density jump on the shock-wave front corresponds also to a smaller refractive index. The non-equilibrium states of the first phase of KCl and KBr (point A, Fig. 2), determined from the shock-wave velocity, from the dependence (1) with $dn/d\sigma$ as given in the table, and from the measured reflection coefficient, are shown in Fig. 2. For KCl the point obtained lies somewhat to the left of the first-phase adiabat calculated from the equation of state. With increasing pressure, the temperature increases (for KCl, T = 1300°K at P = 136 kbar and T = 2100°K at P = 200 kbar), the relaxation time decreases, and the phase transformation takes place in a layer thinner than $\lambda/2\pi$ (λ = wavelength of the incident light). In this case the refractive index will correspond to the

ACC NR: AP7007678

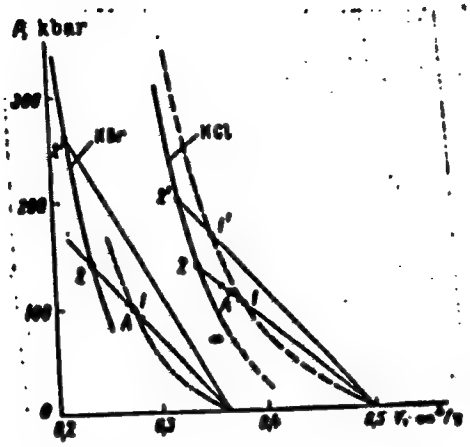


Fig. 2. Equilibrium and non-equilibrium dynamic adiabats of KCl and KBr. ——— calculated after [12,3], ------ calculated after [3], -.-.-. interpolation, -o-o-o present experiments.

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ACC NR: AP7007678

total jump in volume behind the front of the shock wave (point 2', Fig. 2). Considering that the values of $dn/d\sigma$ obtained for phase II turned out to be close to the values for phase I, the measured reflection coefficients were close to those expected. Thus, upon shock compression with P = 200 - 260 kbar, the polymorphic transition in KCl and KBr takes place within a time $\tau < 10^{-11}$ sec. (The polymorphic transition, interesting, has no effect on the $n(\sigma)$ dependence of these ionic crystals.) The same time is characteristic also of melting in the shock-wave front, since the refractive index (reflection coefficient) experiences a jump at pressures corresponding to the transition of the solid phase into liquid (see Fig. 1). Orig. art. has: four formulas.

SUB CODE: 20 / SUBM DATE: 01Nov65 / ORIG REF: 005
OTH REF: 008

Card 5/5

GIRSHBERG, V.V., inzh.; BRODSKIY, Yu.A., inzh.; KIRSHMAN, R.V., inzh.; MALINOVSKAYA, Z.N., inzh.; TRIFONOVA, T.P., inzh.; KHODNEV, V.V., inzh.

Large-block units of electric power supply equipment for agriculture. Elektrotekhnika 34 no.11:1-7 N '63. (MIRA 17:2)

KIRSHNER, B.S.

Strengthening of glass containers by means of protective organosilicon coatings. Leh. prom. no.2:61-63 Ap-Je '64 (MIRA 17:7)

[redacted]

[redacted] B.K.

[redacted] to lengthen the operational life of glass furnaces. Leh. prom. no.1:33-36 Jan. '65. (MIRA 18:4)

KIRSHNER, G. K. Cand Med Sci -- (dss) "Coordination shifts during rhythmical work." Mos, 1959. 16 pp (Inst of Labor Hygiene and Occupational Diseases, Acad Med Sci USSR), 400 copies (KL, 52-59, 125)

KIRSHNER, G.K. (Varshava)

Peculiarities in the distrubance of a dynamic stereotype in rhythemical work. Gig. truda i prof. zab. 4 no. 7:12-17 Jl '60. (MIRA 13:8)

1. Institut fizicheskoy kul'tury.
(WORK, METHOD OF)

L 16895-63 EWT(1)/FCC(W)/BDS AFFTC/ASD/IJP(C)

ACCESSION NR: AP3005259 S/0056/63/045/002/0143/0154

51
53

AUTHOR: Kirzhnits, D. A. [redacted]

TITLE: Contribution to field theory with nonlocal interaction. II. Dynamic apparatus of the theory

SOURCE: Zhur. eksper. i teoret. fiz., v. 45, no. 2, 1963, 143-154

TOPIC TAGS: field theory, nonlocal interaction, dynamic formulation, Heisenberg equation, S-matrix formalism, Schrodinger representation, energy-momentum operator, charge operator

ABSTRACT: In this continuation of an earlier paper (ZhETF v. 41, 551, 1961) it is shown that a space-time (in particular, Hamiltonian) description can be used for a system of fields interacting in a nonlocal manner. The dynamic apparatus of the theory is based on the renormalized Heisenberg field equations so modified as to lead automatically to a unitary scattering matrix. For this purpose, the S-matrix representation introduced in the earlier paper is applied in the form of an exponential function that is ordered with respect to the charge. The forms of the energy-momentum and charge operators, as well as the field operators in the

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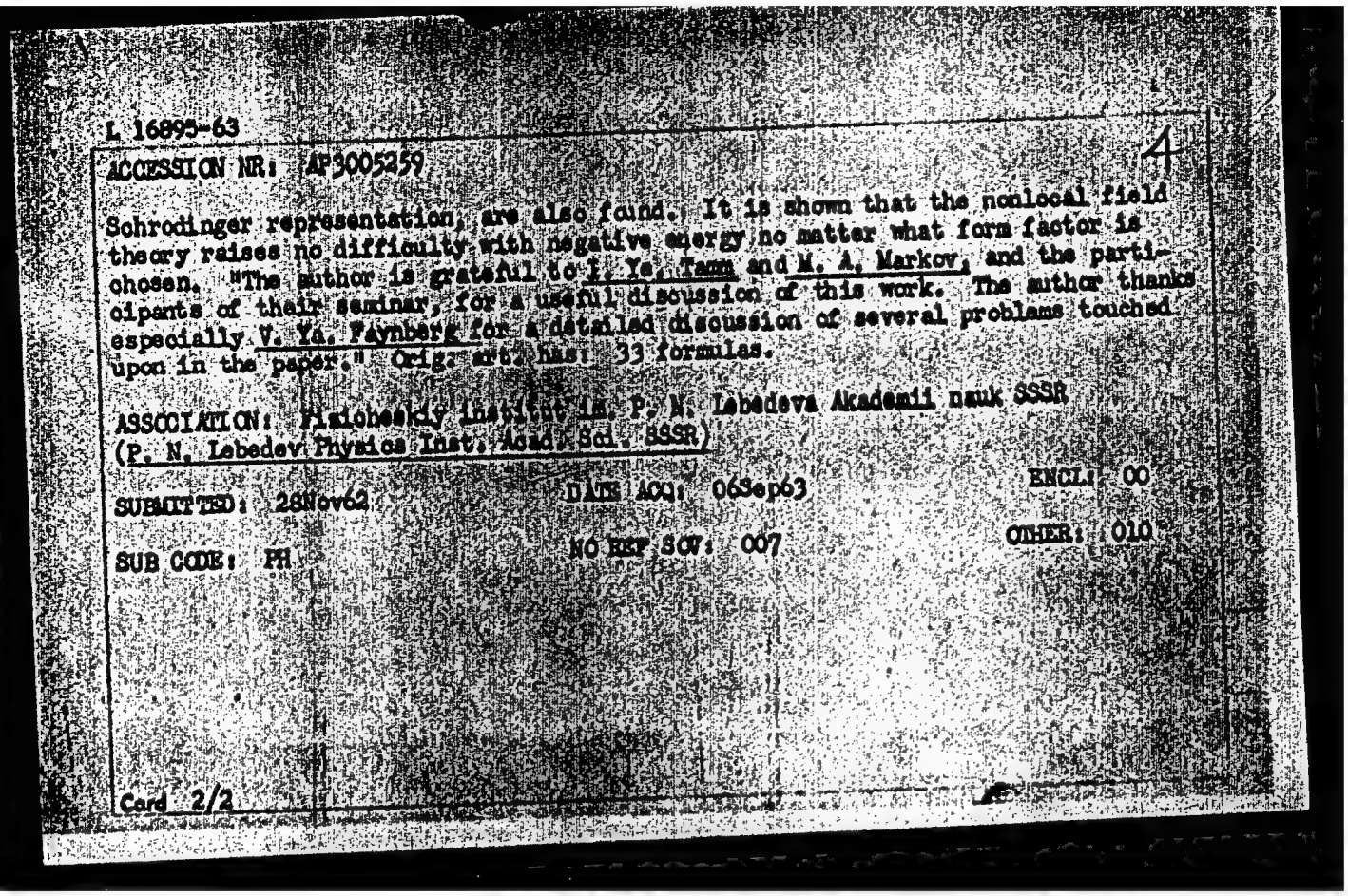

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ACCESSION NR: AP3005259

4

Schrodinger representation, are also found. It is shown that the nonlocal field theory raises no difficulty with negative energy no matter what form factor is chosen. "The author is grateful to I. Ye. Tamm and M. A. Markov, and the participants of their seminar, for a useful discussion of this work. The author thanks especially V. Ya. Faynberg for a detailed discussion of several problems touched upon in the paper." Orig. art. has: 33 formulas.

ASSOCIATION: Fiziches'kiy institut im. P. N. Lebedeva Akademii nauk SSSR (P. N. Lebedev Physics Inst., Acad. Sci., SSSR)

SUBMITTED: 28Nov62 DATE ACQ: 06Sep63 ENCL: 00

SUB CODE: PH NO REF SOV: 007 OTHER: 010

Card 2/2

KIRSHON, E.M.

Kirshon, E.M. "Research on the leather parts of oxygen equipment," Kislorod, 1948, No. 5, p. 30-37

SO: U-2888, Letopis Zhurnal'nykh Statey, No. 1, 1949

KIRSHON, E. M.

KIRSHON, E. M. -- "Properties of Leathers Under Low Temperatures." Sub 30 Dec 52, Moscow Technological Inst of Light Industry imeni L. M. Kaganovich. (Dissertation for the Degree of Candidate in Technical Sciences).

SO: Vechernaya Moskva, January December 1952

KIRSHON, E.M.

Lacquers for the protection of metallic bobbins. Tekst. prom. 18 no.3:18-19 Mr '58. (MIRA 11:3)
(Bobbins (Textile machinery)) (Protective coatings)

KIRSHON, E. M.

Protection of machine parts from corrosion in the production of synthetic fibers. Khim. volok. no.6:41-44 '62. (MIRA 16:1)

1. TSentral'nyy nauchno-issledovatel'skiy institut vspomogatel'nykh izdeliy i zapasnykh detaley k tekstil'nomu oborudovaniyu.

(Textile machinery—Corrosion)

KIRSHTEYN, B.A.
25666

Za Vysokuyu Kul'Turu Otdelochnogo Proizvodstva.
Tekstil. Prom-St', 1948,
No 6, S. 30-32

SO: LETOPIS NO. 30, 1948

LIGHERMAN, Iosif Izrailevich; KORNEVSKIY, A.N., inzh., retsenzent; KIRSHTEYN, D.B., inzh., red.; KISELEVA, T.I., red.izd-va; ISLENT'YEVA, P.G., tekhn.red.

[Wiring diagrams for the installation of electrical systems in metallurgical shops] Montazhnye skhemy elektroustanovok metallurgicheskikh tsekhov. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1959. 97 p. (MIRA 12:11)
(Electric wiring)
(Metallurgical plants--Electric equipment)

11672
S/197/62/000/012/001/002
B104/B186

24.6810

AUTHORS: Vitolin', A., Kirshteyn, G., Krumin', Yu.

TITLE: Measurement of the magnetic field strength in the experiment with electron paramagnetic resonance

PERIODICAL: Akademiya nauk Latviyskoy SSR. Izvestiya, no. 12(185), 1962, 57-66

TEXT: Two variants of an apparatus have been developed by which frequency marks and e.p.r. spectra are simultaneously recorded on a tape. The magnetic field is stabilized by proton resonance. The first variant uses a superheterodyne frequency measuring method. Principle: Two signals are fed to the mixer tube: that of the frequency to be measured, and that of the voltage of a quartz resonator with comparatively low fundamental frequency, ν_0. The mixer tube is connected with a narrow band amplifier adjusted for the frequency $\nu_0/2$. A signal is given at the amplifier output if the frequency to be measured is equal to a frequency lying between two harmonic oscillations of the quartz generator. This

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signal produces a pulse which records a mark on the tape. The second variant uses a resonance frequency measuring method in which the input impedance of an artificial long line (connected as anode load) changes with the frequency of the input signal. A field marker correlates the measured frequencies and the resonance spectrum on a tape. There are 7 figures.

ASSOCIATION: Institut fiziki AN Latv. SSR (Institute of Physics AS LatSSR)

SUBMITTED: April 24, 1962

KIRSHTEYN, G.K.

The KA276 630 ton-capacity press. Biul.tekh.-ekon.inform. no.5:30-31 '61. (MIRA 14:6)
(Power presses)

ACCESSION NR: AP4031875 S/0286/64/000/007/0067/0067

AUTHOR: Kalnin, R. K.; Ry*bakov, E.K.; Ginzburg, A. S.; Kirshteyn, O. Kh.; Sermons, O. Ya.

TITLE: Flow meter for measuring electroconducting fluids. Class 42, No. 161514

SOURCE: Byulleten' izobretenly i tovarny*kh znakov, no. 7, 1964, 67

TOPIC TAGS: flow meter, electroconducting fluid meter, traveling magnetic field

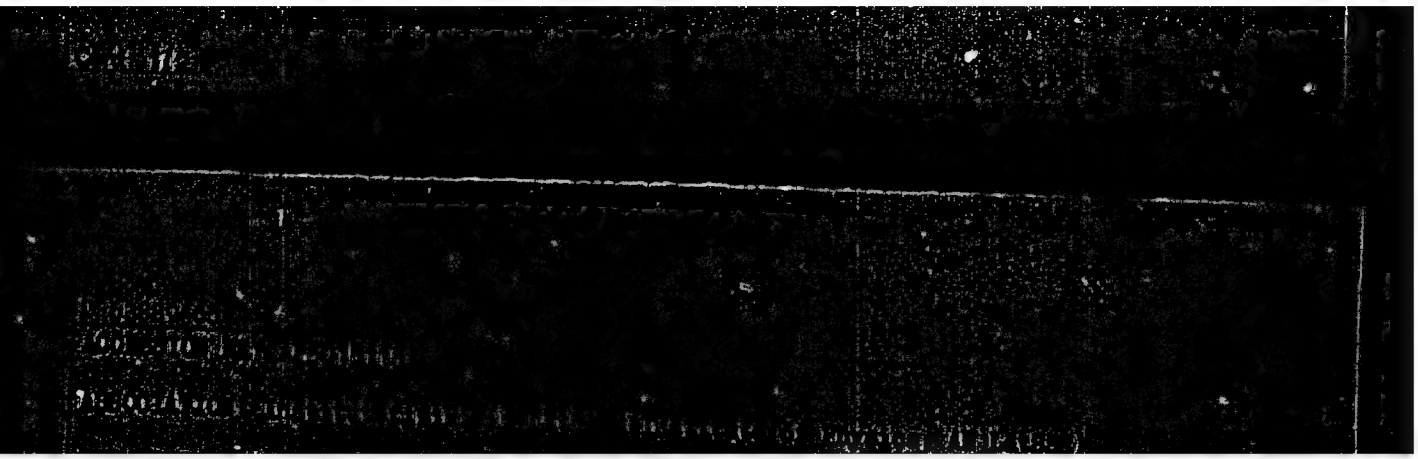
TRANSLATION: The flow meter for measuring the velocity of electroconducting fluids covered by this author's certificate consists of two inductors, which set up traveling magnetic fields, two yokes with sensing coils, and an indicator. In order to eliminate any effect that the meter may have on the flow of the liquid, the two inductances are so oriented that their traveling magnetic fields meet head-on.

ASSOCIATION: none

SUBMITTED: 21Jan63 DATE ACQ: 29Apr64 ENCL: 00

SUB CODE: IE, SD NO REF SOV: 000 OTHER: 000

Card 1/1



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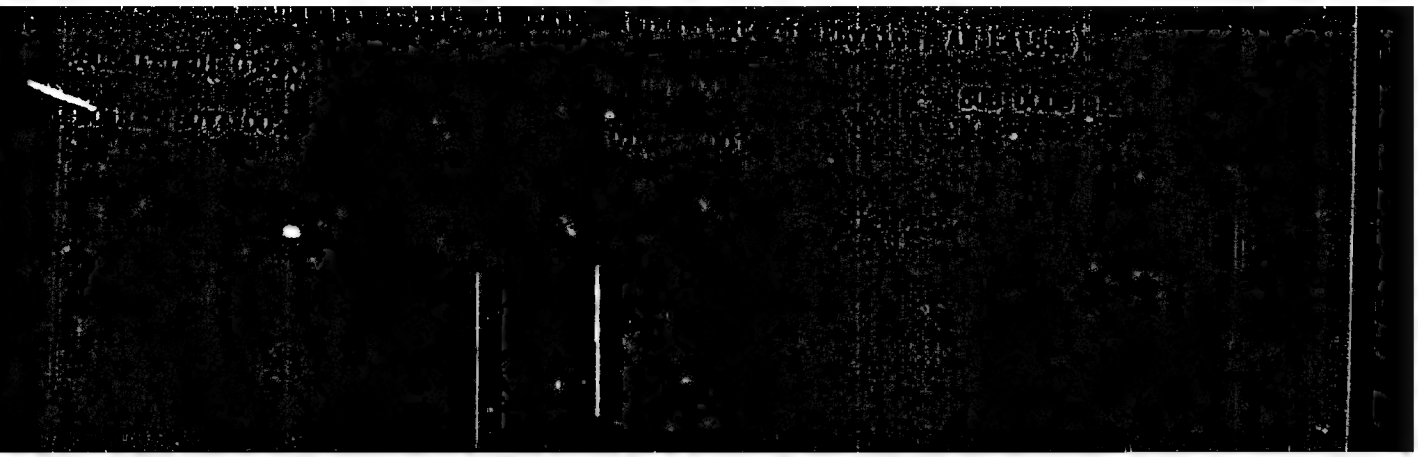

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KIRSI, E.

AGRICULTURE

Periodical: SOTSIALSTLIK POLLUMAJANDUS Vol. 14, no. 2, Jan. 1959

KIRSI, E. Collective farms are producing peat jointly. p. 79.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5, May 1959, Unclass.

KIRSILOV, D.V.

Studies of meat infected with Cysticercus with filtrated ultraviolet rays. Gig.sanit., Moskva no.4:52-53 Ap '50. (CLML 19:3)

1. Of the Department of Veterinary-Sanitary Certification, Odessa Agricultural Institute.

KIRSNER, M.L.

DEMENT'YEV, M.I.; KIRSNER, M.L.; YAMSHCHIKOVA, A.I.

Lamliosis in etiology of chronic enterocolitis in young children in Moscow and its therapy. Pediatriia, Moskva No.3:42-46 May-June 50. (CLML 19:4)

1. Of the Clinic for Children's Diseases (Director — Honored Worker in Science Prof. V.I.Molchanov, Active Member of the Academy of Medical Sciences; Scientific Director of Work — Prof. Yu.F.Dombrovskaya. Corresponding Member of the Academy of Medical Sciences), First Moscow Order of Lenin Medical Insitute and of Children's Nurseries No.73 for Chronic-Dysentery Patients of Molotov Rayon in Moscow (Head — A.A.Pavlov).

KIRSNER, V.

"Gelatin in photography." p. 341. (Kemija U Industriji. Vol. 2, no. 11, 1953. Zagreb.)

SO: Monthly List of East European Accessions. Vol. 3, no. 3. Library of Congress. March 1954. Uncl.

KIRSNER, V.

"Carbonic saponification of neutral greases."
Kemija U Industriji, Zagreb, Vol 3, No 5, May 1954, p. 151

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

ROZE, Karlis, kand. sel'khoz. nauk; SOVERS, Ernests, agronoms; EIHE, E., retsenzent; GRINBLATS, G., kand. sel'khoz. nauk, agronom, retsenzent; KIRSIS, K., retsenzent; ROZENBERGA, R., red.; BOKMANIS, R., tekhn. red.

[Increasing the yield of pulse crops in the Latvian S.S.R.] Paksaugu raziba kapinasana Latvijas PSR. Riga, Latvijas PSR Zinatnu akademijas izdevnieciba, 1962. 74 p.
(MIRA 16:6)

1. Latvijas Padomju Savienibas Republikas Zinatnu akademijas korespondetajlocekli(for Eihe). 2. Latvijas Lopkopibas un veterinarijas instituta zinatniskas petniecibas saimniecibas "Krimulda" priekssedetajs (for Kirsis).
(Latvia--Legumes)

KIRSNIS, V.A.

Problems of rheumatic fever at a scientific conference devoted to the 125th anniversary of the founding of the Druskininkai Health Resort. Vop. revm. 3 no.3:91-92 Jl-S'63 (MIRA 17:3)

KIRSNYS, V.; KAPLANAS, O., red.; VYSOMIRSKIS, C., tekhn. red.

Birstonas. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1961. pamphlet. (MIRA 15:3)
(Birstonas—Description)

TIMAKOV, S.; KIMASK. G.; KIRSPUU, V.; HIZNJAKOV, V.; SOKOLOV, A.; PAULMAN, V.; SOMMUS, E., red.

[25 years of Soviet Estonia; a statistical abstract] 25 aastat Nõukogude Eestit; statistiline kogumik. Tallinn, Eesti Raamat, 1965. 173 p. [In Estonian] (MIRA 18:12)

1. Estonian S.S.R. Statistika Keskvalitsus.

L 05059-67 EWT(d)/FSS-2/EWT(m)/EWP(w)/EEC(k)-2/EWP(v)/EWP(k) IJP(c) AST/EW/JT

ACC NR: AM6013867 Monograph UR/ 70 69 64/

Seleznev, Vasiliy Petrovich (Engineer, Colonel, Doctor of Technical Sciences, Professor); Kirst, Mikhail Andreyevich (Candidate of Technical Sciences)

9

Aerospace vehicle navigation systems (Sistemy navigatsii kosmicheskikh letatel'nykh apparatov) Moscow, Voyenizdat M-va obor. SSSR, 1965. 207 p. illus, biblio. 4500 copies printed.

TOPIC TAGS: space navigation, celestial navigation, navigation aid, navigation system, navigation equipment, satellite navigation, spacecraft navigation

PURPOSE AND COVERAGE: This book is intended for all personnel engaged in aeronautics, for aeronautics schools, and for general readers interested in space navigation. It systematically discusses the navigational systems used aboard aerospace vehicles and in ground centers, classifies such systems, and describes the progress being made in navigation engineering. Stress is laid on the importance of reliability and accuracy of instrumentation and devices, the automatic reaction of devices to environmental conditions, solar mechanics,

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ACC NR: AM6013867

and astronomy. This book has 80 illustrations.

TABLE OF CONTENTS [abridged]:

SUB CODE: 17/ SUBM DATE: 300ct65/ ORIG REF: 15/ OTH REF: 022

Card 2/2

SELEZNEV, Vasiliy Petrovich, inzh.-polkovnik, doktor tekhn. nauk prof.; KIRST, Mikhail Andreyevich, kand. tekhn. nauk; TRESVYATSKIY, K.P., red.

[Navigational systems of space flight vehicles] Sistemy navigatsii kosmicheskikh letatel'nykh apparatov. Moskva, Voenizdat, 1965. 207 p. (MIRA 18:12)

KIRST, E. A.

PA 25/49T53

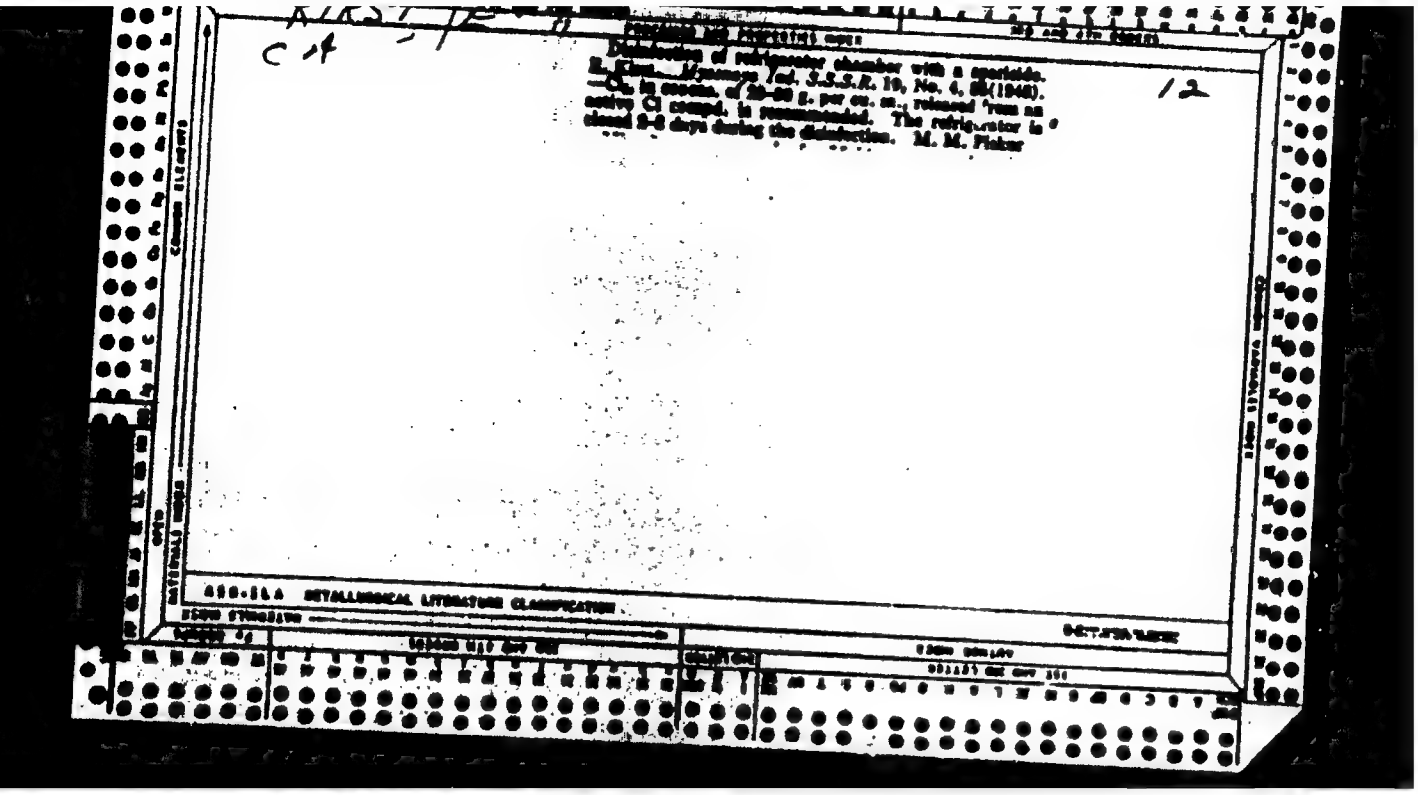
USSR/Medicine -- Cattle Dec 48
Medicine -- Endocrine Glands

"Seasonal Activity of the Endocrine System," E. A. Kirst, 2 pp

"Priroda" No 12

Activity of some parts of the endocrine system is governed by seasonal and climatic factors. Mentions some USSR scientists who have been studying this phenomenon. Presents seven graphs showing changes in weight of various glands in cattle according to seasons.

[redacted] 25/49T53



Disinfecting of refrigerator chamber with a sporicide.
[illegible] Mysenaya Ind. S.S.S.R. 19, No. 4, 55(1948).
In cases of 20-25 g. per cu. m., released from an active Cl compd. is recommended. The refrigerator is closed 5-6 days during the disinfection. M. M. Fisher

12

KIRST, YE. A.

34101 Sezonnyye kolebaniya vesa endokhrinnykh zhelez krupnogo rogatogo skoth. Izbestiya turkm. Filiala Akad. nauk SSSR, 1949, No. 2, c. 69-73 -- Bibliogr: 24 nazv.

SO: Knizhuaya, Letopis', Vol. 7, 1955

"Seasonal variation in the weight of endocrine glands of cattle."

KIRSTA, B.T.

Vertical measurement of the rate of flow at two points in the case of incorrect diagrams of the rate of flow in the Amu Darya. Izv.AN Turk.SSR no.2:80-82 '51. (MLRA 6:8)

1. Upravleniye Gidrometsluzhby Turkmenskoy SSR.
(Amu Darya--Hydraulics) (Hydraulics--Amu Darya)

KIRSTA, B. T.

USSR/Meteorology - Hydrometric Instruments Jun 52

"Use of Hydrometric Devices and Equipment in a Network of Stations and Posts," B. T. Kirsta, Ashkhabad Admin of Hydrometeorol Sv of Turkmen SSR

"Meteorol i Gidrol" No 6, pp 47, 48

States that a maladjustment developed between (a) requirements of reliability and accuracy of instruments at observation posts and (b) the availability of crude equipment and instructions. Notes that, since 1949 the State Hydrol Inst has systematically published "Metodicheskiya Ukazaniya" (Methodical Instructions), but they are insufficient. Kirsta suggests improvements.

229T95

229T95

KIRSTA, B.T.

"Compilation of hydrological annuals." Meteor.i gidrol. no.9: 62-63 S-O '53. (MLRA 8:9)
(Hydrology--Periodicals) (Goliatin, V.K.)

LESHCHINSKIY, G.T.; KIRSTA, B.T.

Water balance of Lake Yaskha. Izv.AN Turk.SSR no.4:28-34 '55.
(MLRA 9:5)

1. Upravleniye gidrometsluzhby Turkmenskoy SSR.
(Yaskha, Lake)

KIRSTA, B.T.

KIRSTA, B.T.

Mean atmospheric temperature gradients in the Kopet Dagh. Izv. AN Turk.SSR no.4:113-115 '57. (MIRA 10:10)

1. Turkmenskiy nauchno-issledovatel'skiy institut gidrotekhniki i melioratsii.
(Kopet Dagh--Atmospheric temperature)

KIRSTA, B.T.

Variation in the annual runoff of Kopet Dag rivers and its distribution within the year. Izv.AN Turk.SSR no.3:23-30 '59. (MIRA 12:11)

1. Turkmenskiy nauchno-issledovatel'skiy institut gidrotekhniki i melioratsii.
(Kopet Dag--Runoff)

KIRSTA, B. T., Cand Geog Sci -- (diss) "Rivers of the north-eastern slope of Kopet-Dag." Ashkhabad, 1960. 16 pp with graphs; (State Committee of Higher and Secondary Specialist Education of the Council of Ministers Uzbek SSR, Central Asiatic State Univ im V. I. Lenin); 200 copies; price not given; list of author's works on pp 15-16 (10 entries); (KL, 26-60, 132)

KIRSTA, B.T.

Turbidity of Turkmen rivers. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no.4:116-118 '61. (MIRA 14:12)

1. Turkmenskiy nauchno-issledovatel'skiy institut gidrotekhniki i melioratsii.
(Turkmenistan--Rivers)

KIRSTA, B.T.

Minimum flow-off of rivers of the northwestern slope of Kopetdag. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no.1:61-68 '65. (MIRA 18:7)

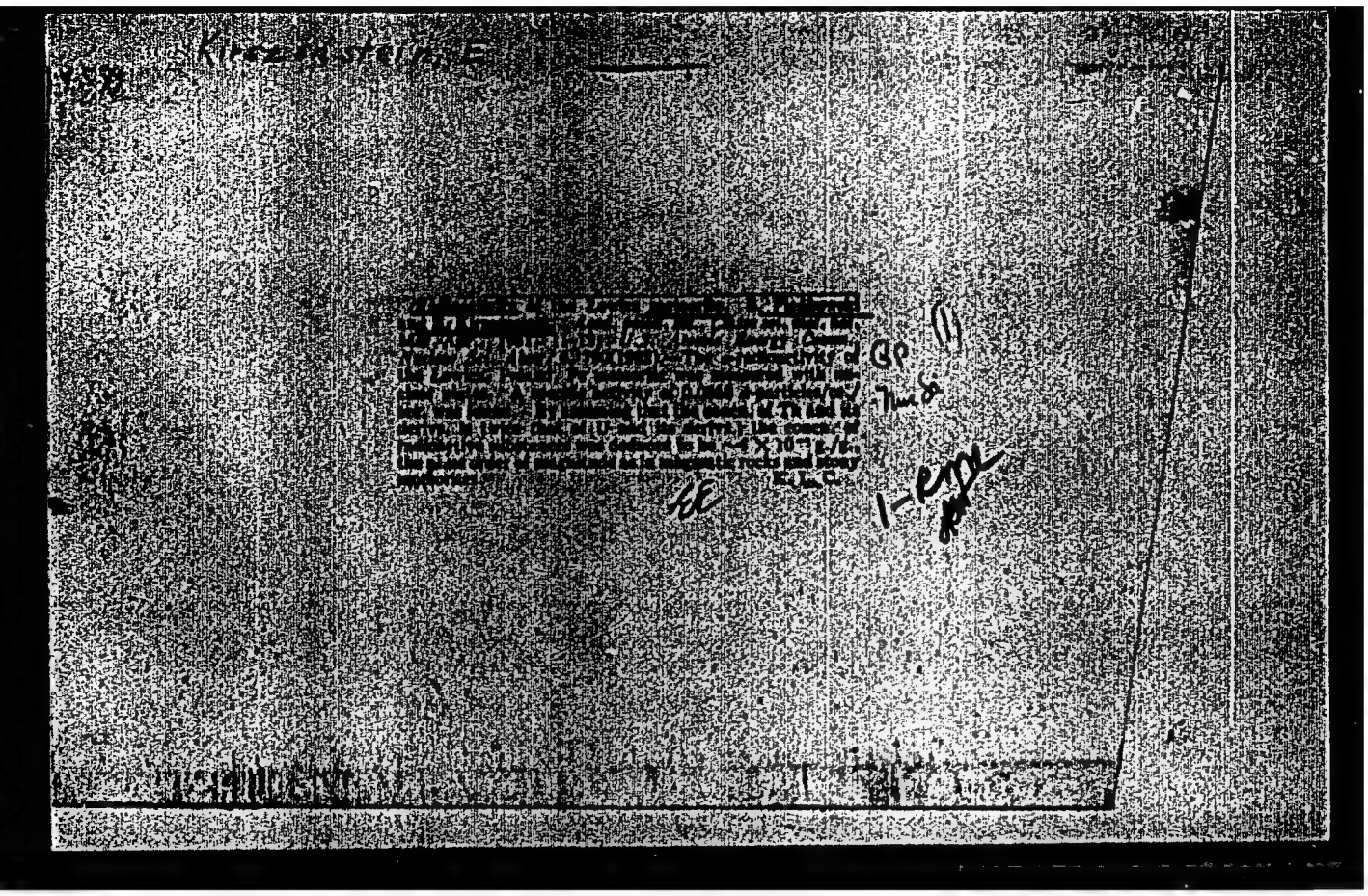
1. Ashkhabadskiy politekhnicheskiy institut.

KIRSTA, V.T.

Normal annual flow of the basic rivers of Turkmenia and its internal distribution. Uch.zap.Turk.gos.un. no.24:55-87 '63. (MIRA 18:11)

KIRSYAYEV, N.A.; TRENKIN, N.T.

Blocking oscillator with memory shunt capacity. Priborostroenie no.3:5-7 Mr '61. (MIRA 14:3)
(Oscillators, Transmission)



KIRT, K.; KUMARI, E.; KONGO, L.Ya., otv. red.

A.F.Middendorff, 1815-1894. E.A.Middendorff, 1851-1916 . Tartu, Ob-vo estestvoispytatelei pri AN Estonskoi SSR, 1963. 22 p. (MIRA 17:2)

KIRT, V.

Moving Picture Projectors

Device for the running-in and control of a Maltese system type K projector., Kinomekhanik, no. 10, 1951.

Monthly List of Russian Accessions, Library of Congress, May 1952. UNCLASSIFIED

KIRTADZE, G. A.

Kirtadze, G. A. -- "Several Types of Density for Topological Spaces." Cand Phys-Math Sci, Mathematics Inst, Acad Sci USSR, Moscow 1953. (Referativnyy Zhurnal--Materatika, Jan 54)

SO: SUM 168, 22 July 1954

KIRTADZE, G.A. (Sukhumi)

Various forms of completeness of topological spaces. Mat.sbor. 50 no.1:67-90 Ja '60. (MIRA 13:6)
(Spaces, Generalized)

DOLIDZE, G.M.; KIRTADZE, M.G.; KOLBANOVSKIY, Yu.A.; LUK'YANOV, A.T.; POLAK, L.S.; PUSTYL'NIKOV, L.M.; TSETSKHLADZE, T.V.

Kinetics of radiation-induced isotope exchange of deuterium with hydroxyl groups of silica gel. Kin. i kat. 6 no. 6: 1003-1009 N-D '65 (MIRA 19:1)

1. Institut fiziki AN Gruzinskoy SSR; Institut neftekhimicheskogo sinteza AN SSSR imeni Topchiyeva i Kazakhskiy gosudarstvennyy universitet imeni Kirova. Submitted April 24, 1965.

KIRTAVA, A.Ya.

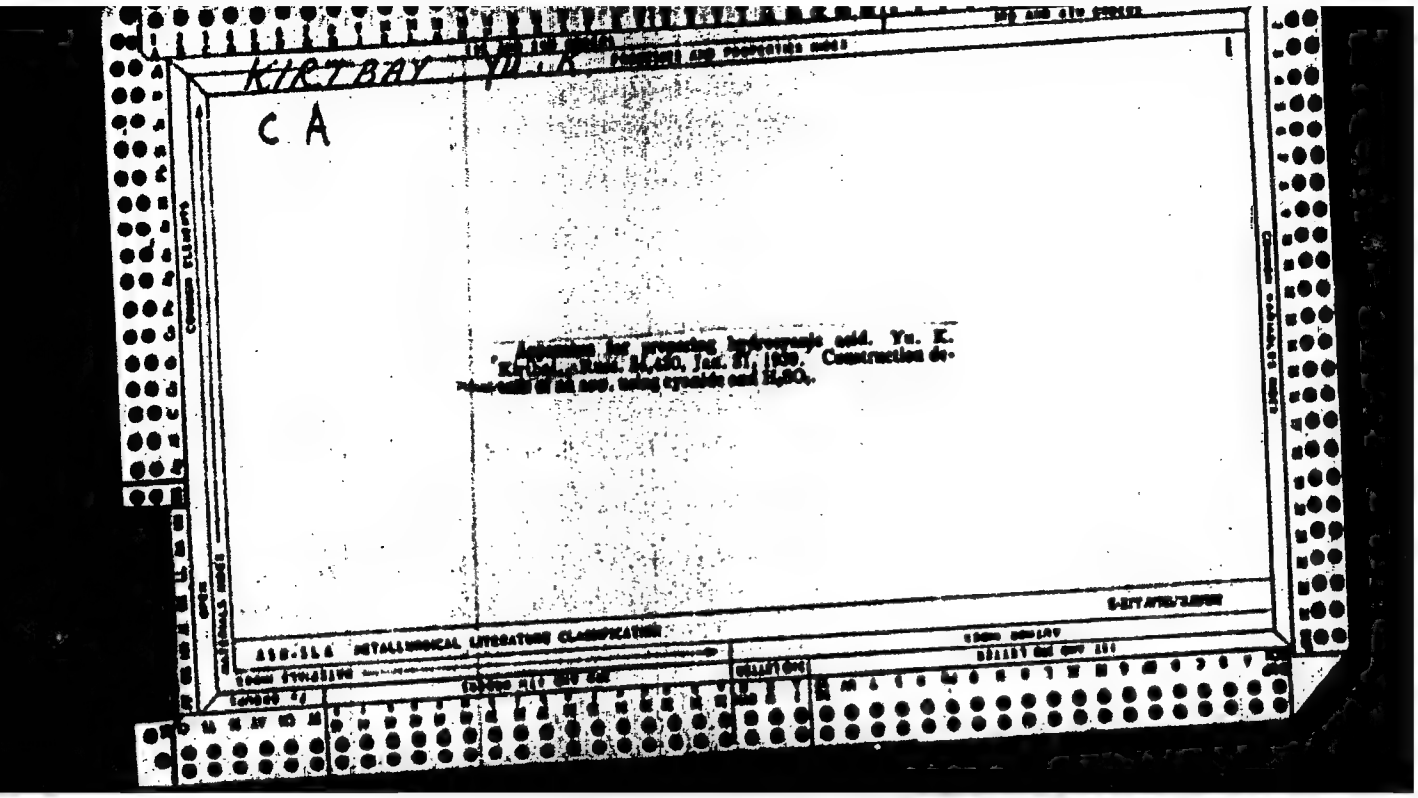
Treatment of endarteritis obliterans. Sovet. med. 17 no.7:37 July 1953. (CLML 25:1)

1. Head Physician of Bath House No. 6 of Tskhaltubo Health Resort.

KIRTAVA, A. Ya.

KIRTAVA, A. Ya.: "The problem of treating patients with endarteritis obliterans at the Tskhaltubo spa." Georgian State Publishing House for Medical Literature. Tbilisi State Medical Inst. Tbilisi, 1956. (Dissertation for the Degree of Candidate in Medical Sciences)

Source: Knizhnaya letopis' No. 28 1956 Moscow



CA

15

Mechanical fumigation of citrus plants out of doors. Ya. K. Kutlaeva. *Sovet. Subtropiki* 1940, No. 1-4, 41-43; Chem. Zentr. 1950, II, 1952.—Of the known methods of fumigation under a tent (introduction of gaseous HCN, use of HCN soln. and of dry cyanide), the use of gaseous HCN produced from NaCN + H_2SO_4 was found to be most satisfactory under the conditions of tropical cultivation. M. G. Moore

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

1. KIRTBAYA, Yu. K.

2. USSR (600)

4. Agricultural Machinery - Testing

7. Examining the dynamics of pull resistance of agricultural machinery and equipment, Sel'khozmashina, No. 12, 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

KIRTBAYA, Yu.K.

Coupling system for farm machinery on agricultural tractors. Mekh. i elek. sel'khoz. no.4:18-28 Ap '53. (MLRA 6:5)

1. Kiyevskiy ordena Trudovogo Krasnogo Znameni sel'skokhozyaystvennyy institut. (Tractors--Apparatus and supplies) (Couplings (Machinery))

KIRTBAYA, Yu.K.

Studying the components of draft resistance in farm machinery and implements. Sel'khozmashina no.11:10-14 N '53. (MLRA 6:11)

1. Kiyevskiy ordena Trudovogo Krasnogo Znameni sel'skokhozyaystvennyy institut.
(Agricultural machinery)

KIRTBAYA, Yuriy Konstantinovich

[Organiz/tion and technology of tractor work] Orhanizatsiia i tekhnolohiia traktornykh robit. Kyiv, Derzh. vyd-vo sil's'kohospodarskoi lit-ry Ukrainskoi RSR, 1956. 388 p. (MLRA 10:4)
(Tractors)

KIRTBAYA, Yuriy Konstantinovich; BULANENKO, F.M., kandidat tekhnicheskikh nauk, dotsent, retsenzent; SEMENOV, A.N., kandidat tekhnicheskikh nauk, dotsent, redaktor; SOKOLA, M.S., redaktor izdatel'stva; RUDENSKIY, Ya.V., tekhnicheskiy redaktor

[Principles of the theory of machine use in agriculture] Osnovy teorii ispol'zovaniia mashin v sel'skom khoziaistve. Kiev, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1957. 277 p.
(Agricultural machinery) (MLRA 10:6)

KIRTBAYA, Yu. K.

Conduct harvesting in separate stages in an organized manner.
Mekh. sil'. hosp. 9 no. 6:3-5 Je '58. (MIRA 11:7)

1. Zaviduyuchiy kafedroyu Ukrains'koi akademii sil's'kogospodarskikh nauk.
(Grain--Harvesting)

KIRTBAYA, Yu.K., kand. tekhn. nauk.

Principal features of the over-all mechanization of agricultural production. Mekh.i elek.sots.sel'khoz. 16 no.5:7-11 '58. (MIRA 11:11)

1. Ukrainskaya akademiya sel'skokhozyaystvennykh nauk.
(Farm mechanization)

KIRTBAYA, Yuriy Konstantinovich [Kirtbaia, IU.K.], doktor tekhn.nauk

[Over-all mechanization of agricultural production] Kompleksna mekhanizatsiia sil's'kohospodars'koho vyrobnytstva. Kyiv, 1959. 67 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.6, no.22). (MIRA 13:4)
(Farm mechanization)

KIRTBAYA, Yu.K. [Kirtbaia, IU. K.], kand. tekhn. nauk; FIN BIN-YUAN' [Ping Ping-yüan], aspirant

Investigations of machinery used in growing sugar beets. Mekh. sil' hosp. 10 no.4:23-24 Ap '59. (MIRA 12:6)

1.Ukrainskaya akademiya sel'skokhozyaystvennykh nauk.
(Agricultural machinery) (Sugar beets)

KYRTBAYA, Yu.K.[Kyrtbaia, IU.K.], doktor tekhn.nauk

Efficient selection of tractors for various agricultural zones. Mekh.sil'.hosp. 10 no.7:12-15 Jl '59. (MIRA 12:11)

(Tractors)

KIRTBAYA, Yuriy Konstantinovich, doktor tekhn. nauk; ZAMORSKIY, V.V. [Zamors'kyi,V.V.], prof., red.; KOSOVSKIY, V.A.[Kosovs'kyi,V.A.], red.; KVITKA, S.P., tekhn. red.

[Principles of the over-all mechanization of agriculture] Osnovy kompleksnoi mekhanizatsii sil's'kohospodars'koho vyrobnytstva. Kyiv, Vyd-vo Ukrains'koi Akad. sel's'kohospodars'kykh nauk, 1961. 205 p. (MIRA 14:11)

(Farm mechanization)

KIRTBAYA, Yu.K., doktor tekhn.nauk

Increasing the efficiency of agricultural machinery. Nauka i zhyttia 11 no. 4:33-35 Ap '61. (MIRA 14:5)
(Ukraine--Farm mechanization)

KIRTBAYA, Yu.K. [Kyrtbaia, IU.K.], doktor tekhn.nauk

Improving machinery for the over-all mechanization of agriculture. Mekh. sil'. hosp. 12 no. 2:20-24 F '61. (MIRA 14:4)
(Agricultural machinery)

VEDENYAPIN, G.V., prof.; KIRTBAYA, Yu.K., prof.; SERGEYEV, M.P., prof.; LETNEV, B.Ya., red.; TRUKHINA, O.N., tekhn. red.

[Utilization of machine and tractor stations] Ekspluatatsiia mashinno-traktornogo parka. Moskva, Sel'khozizdat, 1963. 430 p. (MIRA 16:6)
(Agricultural machinery)

KIUTRAYA, Yu.K., doktor tekhn. nauk; KOLIMETS, M.F., inzh.; VSHER, G., ekonomist

Economic effectiveness of the "Taganrozhets" self-propelled chassis. Trakt. i sel'khozmash. no.11:23-26 N '65.

1. Ukrainskaya sel'skokhozyaystvennaya akademiya.